Rus

š

GenCore version 5.1.6 Copyright (c) 1993 - 2004 Compugen Ltd.

```
Result
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Minimum DB
Maximum DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Minimum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Post-processing: Minimum Match 0%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Title:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       protein -
                                                                                                                                                                                                                                                                                                                                                                                                                                   Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. O(\gamma)
                                                                                                                                                                                                                                                                                                                                                                             Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      seq length: 0
 protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                      Query
100.0
                                                                                                                                                                                                                                                                                                                                                                           Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BLOSUM62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-993-290-1
85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Issued_Patents AA:*

1: /cgn2_6/ptodata/2/laa/5A_COMB.pep:*

2: /cgn2_6/ptodata/2/laa/5B_COMB.pep:*

3: /cgn2_6/ptodata/2/laa/6A_COMB.pep:*

4: /cgn2_6/ptodata/2/laa/6B_COMB.pep:*

5: /cgn2_6/ptodata/2/laa/PCTUS_COMB.pep:*

6: /cgn2_6/ptodata/2/laa/backfilesl.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         389414 seqs, 51625971 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         August 3, 2004, 16:21:26; Search time 10.9688 Seconds (without alignments) 84.720 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RSNLDEDITABENIVSRS
                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                     1663
1663
                                                                                                                                                                                                                                                                                                                                                                           밁
                                 US-09-017-947-17
US-09-925-442-17
US-08-447-411-73
US-08-447-411-73
US-08-447-411-22
US-08-447-411-21
US-08-447-411-21
US-08-447-411-21
US-08-447-411-21
US-08-447-411-21
US-08-447-411-21
US-08-447-411-21
US-08-447-411-57
US-08-447-411-57
US-08-447-411-57
US-08-447-411-57
US-08-662-227-14
US-08-662-227-14
US-09-925-442-14
US-09-925-442-14
US-09-925-442-14
                                                                                                                                                                                                                                                                            US-09-142-334-22
US-08-447-411-20
US-08-447-411-60
US-08-662-227-17
                                                                                                                                                                                                                                                                                                                                             US-08-793-126-1
                                                                                                                                                                                                                                                                                                                                                                                                               SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                    too bild; consisting
     Sequence
Sequence
Sequence
Sequence
Sequence
                             Sequence 1, Appli
Sequence 22, Appl
Sequence 20, Appl
Sequence 60, Appl
Sequence 17, Appl
Sequence 17, Appl
Sequence 17, Appl
Sequence 31, Appl
Sequence 31, Appl
Sequence 31, Appl
Sequence 31, Appl
Sequence 32, Appl
Sequence 14, Appl
                                                                                                                                                                                                                                                                                                                                                                      Description
                                          S
                   밁
                                                                       Matches
                                                                                  Query Match
Best Local
                   748
```

	ų.	4.	ı Li	42	41	0	9	38	37	36	35	4	ü	2	31	0	29	28	
-	43	ı W	43	43	43	43	43	43	43	45	47	48	48	4.8	48	48	49	49	
	50.6	50.6	50.6	50.6	50.6	•		50.6	50.6	52.9		56.5	56.5	56.5	56.5	56.5	57.6	57.6	
	22	22	22	22	21	21	21	21	21	14	14	1651	1333	1333	1333	1333	10	10	
	4.	4	N	ب	4	4	N	μ.	H	_	_	_	4	4.	N	_	4	4	
ALIGNMENTS	US-09-925-442-30	US-09-017-947-30	US-08-662-227-30	US-08-447-411-72	US-09-925-442-16	US-09-017-947-16	US-08-662-227-16	US-08-447-411-59	US-08-447-411-19	US-08-447-411-10		US-08-447-411-2	US-09-925-442-34	US-09-017-947-34	US-08-662-227-34	US-08-447-411-76	US-09-925-442-5	US-09-017-947-5	
	•	•	30,	72,	16.	16	16,	59	19,	5	Φ.	ນ >	ω 4.		ω 4.	76.	s	Sequence 5, Appli	

```
US-08-793-126-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; Sequence 1, Application US/08793126
; Patent No. 5849297
; GENERAL INFORMATION;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 1
US-08-793-126-1
                                                                                            TELEPAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 1663 amino acids
                                                                                                                                                                                                                                APPLICATION NUMBER: US/08/7
FILING DATE: 07-FFB-1997.
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Baker, Hollie L.
REGISTRATION NUMBER: 31,321
                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                        REGISTRATION NUMBER: 31,321
REFERENCE/DOCKET NUMBER: 10
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 526-6000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: HALE AND DORR LLP
STREET: 60 State Street
                  MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Harrison, Richard Alexander
APPLICANT: Farries, Charles Timothy
TITLE OF INVENTION: MODIFIED HUMAN C3 PROTEINS
NUMBER OF SEQUENCES: 2
                                                   TYPE: amino acid
STRANDEDNESS: sir
                                       TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 60 St
CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: UZIP: 02109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ₹
                                                                                            1663 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               United States of America
                                       linear
                                                   single
                                                                                                                                                                                                                                                                                                                                US/08/793,126
                                                                                                                                   ::
                                                                                                                                                                                                               02286.377
```

1 RSNLDEDIIABENIVSRS 18

RSNLDEDITAEENIVSRS

765

Similarity 100 18; Conservative

100.0%;

Score 85; DB 2; Pred. No. 3.2e-05;

Length 1663; Indels

0

Mismatches

<u>,</u>

0;

Gaps

0

Query Match Best Local (

Local Similarity

100.0%; Score 85; DB 3; 100.0%; Pred. No. 3.2e-05;

Length 1663;

```
APPLICANT: Farries, Timothy C.
APPLICANT: Harrison, Richard A.
APPLICANT: Harrison, Richard A.
TITLE OF INVENTION: Down-Regulation Resistant C3
FILE REFERENCE: 4-30443/A/IMU/PCT
CURRENT PAPLICATION NUMBER: US/09/142,334
CURRENT FILING DATE: 1999-04-15
EARLIER APPLICATION NUMBER: PCT/GB97/00603
EARLIER FILING DATE: 1997-03-04
NUMBER OF SEQ ID NOS: 35
SOFTMARE: Patentin Ver. 2.0
SEQ ID NO 22
LENGTH: 1663
TYPE: PRT
ORGANISM: Homo Bapiens
                                                                                                                                                                                                                                                                                                                                                                                              밁
                                                                                                                                                                                                                                                                                                                                                                                                                           S
                                                                                                                                                                                                                                                                                                                     US-09-142-334-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; TOPOLOGY: linear; MOLECULE TYPE: protein US-09-132-271-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-132-271-1
                                                                                                                                                                                                                                                                                    Sequence 22, Appli
Patent No. 6268488
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: (617) 526-50 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         quence 1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Baker, Hollie L.
REGISTAN NUMBER: 31,321
REFERENCE/DOCKET NUMBER: 10
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 526-6000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/01
PILING DATE: 07-FEB-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PLICANT: Harrison, Richard Alexander
PLICANT: Farries, Charles Timothy
PLE OF INVENTION: MODIFIED HUMAN C3 PROTEINS
                                                                                                                                                                                                                                                                INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                          748 RSNLDEDITAEENIVSRS 765
                                                                                                                                                                                                                                                                                                                                                                                                                                                               18;
                                                                                                                                                                                                                                                                                                                                                                                                                           1 RSNLDEDITABENIVSRS 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 02109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    H: 1663 amino acide amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3
                                                                                                                                                                                                                                                                                                     Application US/09142334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Application US/09132271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  B: HALE AND DORR LLP
60 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (617)
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ss: single
linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7) 520
526-5000
520: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US/08/793,126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US/09/132,271
                                                                                                                                                                                                                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              102286.377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 85; I
Pred. No. 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .2e-05;
                                                                                                                                                                                                                 C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 1663;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                             0
                                                                                                                                                                                                                                                                                                                                                                                                                                                            0
```

```
문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-447-411-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 4
                                                              Matches
                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/08/447,41
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/043,74
FILING DATE: 07-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Oblon, No. 5773243man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 1126-10
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 20,
                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 21 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                        MOLECULE TYPE:
ORIGINAL SOURCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
COMPUTER: IBM PC com
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                      TELEFAX: (703)
TELEX: 248855 OPAT UR
TELEX: 248850 ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP:
                                                             Local Similarity es 17; Conservat
                                                                                                                                                                                         TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Arlington STATE: Virginia COUNTRY: U.S.A.
                                                                                                                                          ORGANISM:
                                                                                                                                                                                                                                                                                                   TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   748
1 RSNLDEDITAEENIVSRS 18
                                                                                                                                                                                                    amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RSNLDEDITABENIVSRS 765
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Application US/08447411
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1755 S. Jefferson Davis Highway, Suite 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      VOGEL, CARL-WILHELM
                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BREDEHORST, REINHARD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                         linear
                                                                                                                                         Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
                                                                                                                                                                                                                                                                                                      (703) 413-3000
                                                                                                                                                                        peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DNA ENCODING COBRA C3, CVF1, AND CVF2
                                                                            94.1%; Score 80; DB 1; 100.0%; Pred. No. 1.5e-0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US/08/447,411
                                                                                                                                                                                                                                                                                                                                                                                                                  08/043,747
                                                           ç,
                                                                                                                                                                                                                                                                                                                                     1126-101-0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0,
                                                             Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Version
                                                                            .5e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #1.25
                                                                                           Length 21;
                                                             Indels
                                                           0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0;
                                                             Gaps
                                                             0
```

US-08-447-411-60

Sequence 60, Application US/08447411
Patent No. 5773243
GENERAL INFORMATION:

APPLICANT:

FRITZINGER, DAVID C.

```
Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Database :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Minimum DB
Maximum DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                              Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    seq length: 0 seq length: 2000000000
                                                                                                                                                                                                                                                                                                                                                                                                                              Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Issued_Parents_AA:*

1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*

2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*

3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:*

4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*

5: /cgn2_6/ptodata/2/iaa/FGTUS_COMB.pep:*

6: /cgn2_6/ptodata/2/iaa/backfIles1.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  389414 seqs, 51625971 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-993-290-2
138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               August 3, 2004, 16:21:26; Search time 16:4531 Seconds (without alignments)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 REGVOKEDIPPADLSDOVPDTESETRI 27
                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                     1648
1333
1333
1333
1651
1653
369
369
3164
1164
1164
                                                                                                                                                                                                                                                             1648
1648
                                                                                                                                                                                                                                                                                             1642
1642
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GenCore version 5.1.6 (c) 1993 - 2004 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                              멂
US-09-925-442-2
US-09-017-947-35
US-09-017-947-35
US-09-017-947-35
US-09-925-442-35
US-09-017-947-34
US-09-017-947-34
US-09-017-947-34
US-09-198-452A-263
US-09-198-452A-511
US-09-252-991A-31420
US-09-198-452A-511
US-09-256-909-4
US-09-256-901-55248
US-09-256-901-55248
                                                                                                                                                                                                                                                                                                                                                                                                                            ㅂ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SUMMARIES
                                                                                                                                                                                                                                                                                                                               08-662-227-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (without alignments)
84.720 Million cell updates/sec
                                                                                                                                                           Sequence
Sequence
Sequence
                                                                                                                                                                                                          Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                          Description
                                                               Sequence
Sequence
                                                                                                               Sequence
Sequence
                                                                                                                                                                                                                                                                                        Sequence
Sequence
                               Sequence
                                                Sequence
                                                                                               Sequence
                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                                                                                         Sequence
                                                                                           2, Appli
2, Appli
2, Appli
2, Appli
35, Appl
35, Appl
35, Appl
36, Appl
76, Appl
             1, Appli
1, Appli
1, Appli
1, Appli
25248, A
 23, App
```

45.5 33.0 957 4 US-09-252-991A-32568 45.5 32.6 435 3 US-09-457-046B-60 45.5 32.6 642 1 US-08-06-936-3 45.5 32.6 667 3 US-09-071-709-9 45.32.6 1572 4 US-09-562-702A-32 45.32.6 1572 4 US-09-562-702A-32 45.32.6 1572 4 US-09-562-702A-30 45.32.6 1605 4 US-09-561-818A-26 45.32.6 1605 4 US-09-561-818A-26 45.32.6 1724 3 US-09-857-076-12 44.5 32.6 1724 3 US-09-857-076-12 44.5 32.6 1724 3 US-09-857-076-12 44.5 32.6 1724 3 US-09-328-352-8103 44.31.9 141 2 US-09-187-186A-5 44.31.9 165 4 US-09-489-039A-13714 44.31.9 165 4 US-09-134-001C-4478 44.31.9 209 4 US-09-134-001C-4478 44.31.9 448 4 US-09-252-991A-324264 44.31.9 448 4 US-09-252-991A-324264 44.31.9 448 4 US-09-489-039A-12840	4 5	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	
957 4 US 6 435 1 US 6 432 1 US 6 1572 4 US 6 1605 4 US 6 1724 3 US 6 1724 3 US 6 1724 3 US 773 4 US 9 141 2 US 9 141 2 US 9 148 4 US 9 448 4 US	44	44	44	44	44	44	44	44.5	45	45	45	45	45	45	45	45		
3 U U U U U U U U U U U U U U U U U U U	31.9	31.9	31.9	31.9	31.9	31.9												
	562	448	249	209	195	165	141	773	1724	1605	1605	1572	1572	667	642	435	957	
US-09-252-991A-32568 US-09-457-044B-60 US-09-457-046B-60 US-08-706-936-3 US-09-701-709-9 US-09-562-702A-32 US-09-562-702A-30 US-09-562-702A-30 US-09-561-818A-26 US-09-561-818A-26 US-09-328-352-8203 US-09-328-352-8203 US-09-489-039A-13714 US-09-252-991A-31207 US-09-134-001C-4478 US-09-489-039A-1314 US-09-489-039A-1314	4	4.	4	4	4.	4	N	4	ω	4.	4	4	4	w	-	ω	4	•
	US-09-489-039A-12840	US-09-252-991A-24264	US-09-489-039A-13124	US-09-134-001C-4478	US-09-252-991A-31207	US-09-489-039A-13714	US-08-187-186A-5	US-09-328-352-8203	US-08-857-076-12	-09-561	-05	US-09-561-818A-28	US-09-562-702A-32	50-	9		US-09-252-991A-32568	** ** ***
	12840, 1	24264, 1	13124, /	4478, A	31207, /	13714, 7	5, Appli	8203, A	12, App	26, App	•	•	32, App.	9, Appl:	3, Appl:	60, App.	ž	A

ALIGNMENTS

```
밁
                              Ś
                                                                                                                                         ; TYPE: amino acid
; STRANDEDNESS: Single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-793-126-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 1
US-08-793-126-1
                                                                     Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 1, Application US/08793126 Patent No. 5849297
                                                                                                                                                                                                                                                                               SOFTWARE: Patentin Release #1.0, Version #1.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/793,126
FILING DATE: 07-FEB-1897-
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Baker, Hollie L.
REGISTRATION NUMBER: 31,321
REGESTRATION NUMBER: 31,321
REGESTRATION NUMBER: 31,321
REGESTRATION INFORMATION:
TELEPHONE: (617) 526-6000
TELEPAX: (617) 526-5000
                                                                                                         Query Match
                                                                                                                                                                                                                              TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 1663 anino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: HALE AND DORR LLP
STREET: 60 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Harrison, Richard Alexander
APPLICANT: Farries, Charles Timothy
TITLE OF INVENTION: MODIFIED HUMAN C3 PROTEINS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STATE: N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                      Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: 60 St
CITY: Boston
954 REGVOKEDIPPADLSDOVPDTESETRI 980
                                                                   02109
                    REGVQKEDIPPADLSDQVPDTESETRI 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ø
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       United States of America
                                                                                                                                                                                                                                                                  7) 526-5000
, 526-5000
MO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #1.30
                                                                                                     Length 1663;
                                                                   <u>,</u>
                                                                   Gaps
```

0

0

```
; TYPE: PRT; ORGANISM: Homo sapiens US-09-142-334-22
                                                                                                                                                                                                                                                                                                                                                         밁
                                                                                                                                                                                                                                                                                         US-09-142-334-22
                                                                                                                                                                                                                                                                                                            RESULT 3
                                                                                                                                                                                                                                                                                                                                                                                     S
                                                                                                                                                                                                                                                                                                                                                                                                                                      Best
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-132-271-1
                                                            SEQ ID NO 22
                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                       Sequence 22, Applicat
Patent No. 6268485
GENERAL INFORMATION:
                                                                                                                                 APPLICANT: Farries, Timothy C.
APPLICANT: Harrison, Richard A.
TITLE OF INVENTION: Down-Regulation Resistant C3 Convertase
FILE REFERENCE: 4-30443/AIMI/DCT
CURRENT APPLICATION NUMBER: US/09/142,334
CURRENT FILING DATE: 1999-04-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 1, Application US/09132271
Patent No. 6221657
GENERAL INFORMATION:
                                                                                          NUMBER OF SEQ ID NOS:
                                                                           OFTWARE: PatentIn Ver.
                                                                                                       ARLIER APPLICATION NUMBER: PCT/GB97/00603
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (617) 526-500 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                             LENGTH: 1663
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: (617) 526-6000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOPTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/132,271
PILLING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Harrison,
APPLICANT: Farries,
                                                                                                                                                                                                                                                                                                                                                                                                                                    Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Baker, Hollie L. REGISTRATION NUMBER: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/(
FILING DATE: 07-FEB-199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    E OF INVENTION: MODIFIED HUMAN C3 PROTEINS
                                                                                                                                                                                                                                                                                                                                                954 REGVOKEDIPPADLSDOVPDTESETRI 980
                                                                                                                                                                                                                                                                                                                                                                                  1 REGVOKEDIPPADLSDOVPDTESETRI 27
                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             02109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Boston
                                                                                                                                                                                                                                                                       Application US/09142334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1663 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      B: HALE AND DORR LLP
60 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Harrison,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         526-5000
NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                single
                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     , Richard Alexander Charles Timothy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US/08/793,126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           31,321
                                                                                                                                                                                                                                                                                                                                                                                                                  0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              102286.377
                                                                                                                                                                                                                                                                                                                                                                                                                               Score 138; DB 3;
Pred. No. 5.8e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 1663;
                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                           ç
```

```
RESULT: 5
                                          밁
                                                                 S
                                                                                                                                                      JS-08-447-411-45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ş
                                                                                                Matches
                                                                                                                           Query Match
                                                                                                          Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
                                                                                                                                                                                                                        TELEX: 248855 OPAT UR INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    08-447-411-45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 01
FILING DATE: 07-APR-1993
                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER: 11
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 413-3000
                                                                                                                                                                     MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        tent No.
                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                  TOPOLOGY:
                                                                                                                                                                                                                                                                   TELEPAX:
                                                                                                                                                                                                                                                                                                                        NAME: Oblon, No. 5773243man F. REGISTRATION NUMBER: 24,618
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                           LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: Arlington
STATE: Virginia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE:
                                   939 GTOLEVÍKARKLDDRVPDTBIBTKI 963
                                                                                             14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        954 REGVOKEDIPPADLSDOVPDTESETRI 980
                                                                 3 GVOKEDIPPADLSDQVPDTESETRI 27
                                                                                                             Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 REGVQKEDIPPADLSDQVPDTESETRI 27
                                                                                                                                                                                           amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         , Application US/0844741: 5773243
                                                                                                                                                                                                             1642 amino acida
                                                                                             Conservative
                                                                                                                                                                                                                                                                    (703)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ): P.C.
1755 S. Jefferson Davis Highway, Suite 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FRITZINGER,
BREDEHORST,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT
                                                                                                                                                                  protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Floppy disk
                                                                                                                                                                                                                                                                 413-2220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HORST, REINHARD
                                                                                                          45.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DNA ENCODING COBRA C3, CVF1, AND CVF2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 138; DB 3;
100.0%; Pred. No. 5.8e-12;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                            US .08/043,747
                                                                                                                                                                                                                                                                                                                                                                                                                                      US/08/447,411
                                                                                                                                                                                                                                                                                                                     24,618
                                                                                             <u>ب</u>
                                                                                                          Score 63;
Pred. No.
                                                                                                                                                                                                                                                                                                          1126-101-0
                                                                                          Mismatches
                                                                                                             0
                                                                                                                     DB 1;
                                                                                          9; Indels
                                                                                                                      Length 1642;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 1663;
                                                                                          0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                         0
```

US-08-662-227-2

Patent No. GENERAL I

Sequence 2, Application US/08662227 Patent No. 5922320

INFORMATION:
CANT: VOGEL, CARL-WILHELM
CANT: BREDEHORST, REINHORST

KOCK, MICHABL

Regult No. OM protein - protein search, using Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 s Minimum DB seq length: 0
Maximum DB seq length: 200000000 Title: Perfect score: Run on: Database Total number of hits satisfying chosen parameters: Searched: Scoring table: Sequence: Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. Score Query Match BLOSUM62 Gapop 10.0 , Gapext 0.5 August 3, 2004, 16:21:26; Search time 11.5781 Seconds (without alignments)
84.720 Million cell updates/sec Issued_Patents_AA:*

1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*

2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*

3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:*

4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*

5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*

6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:* 389414 seqs, 51625971 residues US-09-993-290-3 99 KVTIKPAPETEKRPQDAKN 19 GenCore version 5.1.6 Copyright (c) 1993 - 2004 Compugen Ltd: Length B US-08-793-126-1 US-09-142-334-22 US-09-125-619-22 US-09-125-619-22 US-09-252-991A-30048 US-08-921-887-26 US-08-921-887-26 US-08-921-887-26 US-08-921-991A-30670 US-09-252-991A-30670 US-09-189-162-4 US-09-162-4 summaries ₩ SUMMARIES 389414 Sequence Sequence Sequence Sequence Description Sequence Sequence Sequence Sequence Sequence Sequence. Sequence 26, Appli 2, Appli 2, Appli 30670, A 7529, Ap 10914, Appli 4, Appli 4, Appli 30671, A 30671, Appli 40, Appli 22, Appl 22, Appl 6010, Ap 30048, A 4, Appli 26, Appl Appli Appli

RESULT 1		45	44	43	42	41	40	39	38	37	36							29	28
	-	41	41	41	41	41	41	41	41	41	41	11.5	11.5	11.5	1.5	41.5	11.5	42	42
		41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.9	41.9	41.9	41.9	41.9	41.9	42.4	42.4
		999	999	470	390	355	190	142	133	133	85	64	64	64	64	64	64	1128	1128
		ω	N	w	4	4	.4	ω	4.	4	4	u	ហ	S	μ.	ب	ب	4.	4.
	ALIGNMENTS	US-09-175-581-3	US-08-770-301A-3	US-09-071-709-12	US-09-252-991A-27764	US-09-491-577-86	US-09-125-619-27	US-08-905-223-422	US-09-252-991A-21458	US-09-199-637A-329	US-09-676-589-4	PCT-US95-13660-26	PCT-US95-13660-25	PCT-US95-13660-24	US-08-530-550-26	US-08-530-550-25	US-08-530-550-24	US-09-060-482-8	US-09-641-741-30
			Sequence		Sequence	Sequence	Sequence			Sequence	Sequence		Sequence		Sequence	Sequence	Sequence	Sequence	Sequence
		3, Appli	3, Appli	12, Appl	27764, A	86, Appl	27, Appl	422, App	21458, A	329, App	4, Appli	26, Appl	25, Appl	24, Appl	26, Appl	25, Appl	24, Appl	8, Appli	30, Appl

```
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-793-126-1
                                                                                                                                                                                                                      TELEFAX: (617) J...
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
FRIGTH: 1663 amino acids
                                                                          Matches
                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Patent No. 5849297

GENERAL TMFORMATION:
APPLICANT: Harrison, Richard Alexander
APPLICANT: Farrise, Charles Timothy
TITLE OF INVENTION: MODIFIED HUMAN C3 PROTEINS
NUMBER OF SEQUENCES: 2
                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000
                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/793,126
FILING DATB: 07-PEB-1997
FILING DATB: 07-PEB-1997
CHASSIFICATION: 424
                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: Baker, Hollie L.
REGISTRATION NUMBER: 31,321
REFERENCE/DOCKET NUMBER: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSEE: HALE AND DORR LLP
STREET: 60 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: Un
ZIP: 02109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: 60 St
CITY: Boston
                                                                                            Local
1364 KVTIKPAPETEKRPODAKN 1382
                       1 KVTIKPAPETEKRPQDAKN 19
                                                                        ch 100.0%;
l Similarity 100.0%;
19; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ž
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Floppy disk
                                                                          0
                                                                                                                                                                                                                                                                                                                                                           102286.377
                                                                        Score 99; DB 2;
Pred. No. 8.6e-07;
Mismatches 0;
                                                                                                            Length 1663;
                                                                            Indels
                                                                            0
                                                                            Gaps
```

맑 5

0

US-09-132-271-1

Sequence 1,

Application US/09132271

GENERAL INFORMATION:

PPLICANT: Harrison,

```
밁
                                                                                                                                                                                                                                                                                                                                         RESULT 3
US-09-142-334-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                    Sequence 22, Application US/09142334
Patent No. 6268485
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local
TYPE: PRT
ORGANISM: Homo sapiens
-09-142-334-22
                                                                                                                                                            APPLICANT: Farries, Timothy C.
APPLICANT: Harrison, Richard A.
APPLICANT: Harrison, Richard A.
TITLE OP INVENTION: Down-Regulation Resistant C3 Convertase
FILE REFERENCE: 4-30443/A/IMU/PCT
CURRENT APPLICATION NUMBER: US/09/142,334
CURRENT FILING DATE: 1999-04-15
                                                                                                           EARLIER APPLICATION NUMBER: PCT/GB97/00603
EARLIER FILING DATE: 1997-03-04
NUMBER OF SEQ ID NOS: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELBFAX: (617) 526-5000
NFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                        ENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRANDEDNESS:
TOPOLOGY: lin
MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: 10
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08
FILING DATE: 07-FEB-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOPTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: HALE AND DORR LLP
STREET: 60 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Baker, Hollie L.
REGISTRATION NUMBER: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: U
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PILING DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LICANT: Harrison, Richard Alexander
LICANT: Farries, Charles Timothy
LE OF INVENTION: MODIFIED HUMAN C3 PROTEINS
                                                                                                                                                                                                                                                                                                                                                                                                                     1364
                                                                                                                                                                                                                                                                                INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KVTIKPAPETEKRPODAKN 19
                                                        1663
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
                                                                                            PatentIn Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Boston
                                                                                                                                                                                                                                                                                                                                                                                                                  KVTIKPAPETEKRPODÁKN 1382
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (617) 526-6000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 99;
100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US/08/793,126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US/09/132,271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                31,321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .02286.377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8.6e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 1663;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0
```

0

RESULT 6 US-09-252-991A-30048

```
밁
                                                                                                                                                                                                                                                                                                                                                                                                                                             밁
                                                                                                                      US-09-543-681A-6010
                                                                                                                                                                                                                                                                                                                                                                                 US-09-543-681A-6010
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: PRT
; ORGANISM: Borrelia burgdorferi
US-09-125-619-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 4
                                                                                                                                                                             NUMBER OF SEQ ID NOS: 8344
SEQ ID NO 6010
                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE:
SEQ ID NO 22
                                                                        Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                  Sequence 6010, Application US/09543681A
Patent No. 6605709
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local (
                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/543,681A
CURRENT EILING DATE: 2000-04-05
PRIOR APPLICATION NUMBER: US 60/128,706
PRIOR FILING DATE: 1999-04-09
                                                                                                                                                                                                                                                                       APPLICANT: GARY BRETON
TITLE OP INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABITITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 2709.1002-001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/125,619
CURRENT FILING DATE: 1999-01-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS: 48
                                                                                                                               TYPE: PRT
ORGANISM: Proteus mirabilis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FITLE OF INVENTION: VMP-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               tent No.
                                                                                                                                                                 ENGTH: 617
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1364 KVTIKPAPETEKRPQDAKN 1382
118
                                                                                                                                                                                                                                                                                                                                                                                                                                             104 AEQDEKKPEDAKN 116
                            1 KVTIKPAPETEKRPODAK 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        7 APETEKRPODAKN 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KVTIKPAPETEKRPQDAKN 19
                                                          9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              h 100.0%; Score 99; DB 3; Similarity 100.0%; Pred. No. 8.6e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                JING-REN, ZHANG
HARDHAM, JOHN M.
HOWELL, JERRILIN K.
BARBOUR, ALAN G.
WEINSTOCK, GEORGE M.
KETLKPTLSAAKQPNDAK 135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NORRIS, STEVEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Application US/09125619
                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       VMP-LIKE SEQUENCES OF PATHOGENIC BORRELIA
                                                                     46.5%;
50.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      46.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GEORGE M.
                                                        2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0,
                                                                        Score 46;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 46;
Pred. No.
                                                          Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                           37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 4;
                                                                                      Length 617;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1663;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                        0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0;
                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                          <u>.</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0
```